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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Zigmund et al.

Art Unit: 2182

Application No.: 09/153,577

Filed: September 15, 1998

For: TELEVISION/INTERNET TERMINAL USER
INTERFACE

Examiner: T. Peyton

Date: July 16, 2001

COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

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**DECLARATION OF PRIOR INVENTION UNDER 37 CFR 1.131 TO OVERCOME CITED
PATENT**

As a below named inventor, I declare that I am an inventor of the subject matter claimed in claims 6, 16, 21, and 30 of the above-referenced patent application. I do not know and do not believe that the invention of claims 6, 16, 21, and 30 has been in public use or on sale in this country, or patented or described in a printed publication in this or any foreign country for more than one year prior to the filing date of this patent application. Furthermore, I have never abandoned the above-referenced claimed invention, and I have read and understood claims 6, 16, 21, and 30.

REDUCTION TO PRACTICE

The undersigned further declares that the subject matter of claims 6, 16, 21, and 30 was reduced to practice before May 28, 1998. In support of this declaration, the undersigned alleges the following facts:

- 1) Before May 28, 1998, WebTV Networks, Inc. released the WebTV Plus Receiver. Exhibit A, entitled "WebTV Networks Introduces Revolutionary Next-Generation System," and Exhibit B, entitled "Advertisements with TV Crossover Links Directly Tie TV Commercials to

KBR:kbr 7/16/01 3382-50875 MS 112623.2 131 dec.doc

PATENT
Atty. Ref. No. 3382-50875

Advertiser's Web Content," are press releases dated September 16, 1997 from WebTV Networks describing the expected release of the WebTV Plus Receiver in fall 1997. Exhibit C is a collection of change documentation entries describing changes made between July 18, 1997 and September 30, 1997 to source code used in the WebTV Plus Receiver.

2) Before May 28, 1998, the subject matter of claims 6, 16, 21, and 30 was enabled in the WebTV Plus Receiver and worked for its intended purpose. Exhibits A and B generally describe operation of a WebTV Plus Receiver in conjunction with a "TV Crossover Link" of the WebTV Plus Network service. Exhibit C describes source code changes implementing a user interface for crossing between display of a television signal and display of World Wide Web content referenced by a URL, including the use of a "Crossover Mark" and a "Crossover Panel" as user interface features. [See e.g., Exhibit C, Change 8532 and Change 9003.]

3) Before May 28, 1998, the WebTV Plus Receiver in conjunction with a television set was able to operate a screen to transition between display of a television signal and display of auxiliary data from an auxiliary data network as recited in claim 6. See Exhibit C.

4) Before May 28, 1998, the WebTV Plus Receiver in conjunction with a television set was able to operate a screen to transition between display of a televised advertising message and display of additional information from the Internet relating to the subject of the advertising method as recited in claim 16. See Exhibit C.

5) Before May 28, 1998, the WebTV Plus Receiver in conjunction with a television set was able to operate a screen to crossover between display of television programming and display of supplementary data from the Internet as recited in claim 21. See Exhibit C.

6) Before May 28, 1998, the WebTV Plus Receiver in conjunction with a television set was able to operate a screen to crossover between display of a television signal and display of auxiliary data from an auxiliary data network as recited in claim 30. See Exhibit C.

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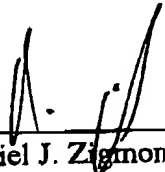
PATENT
Atty. Ref. No. 3382-50875

7) The ideas, concepts, and reductions of the present invention arose from the efforts of the undersigned inventors at the Mountain View, California, U.S.A. offices of WebTV Networks, Inc. Thus, the conception and reduction of the present invention occurred in the United States of America.

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PATENT
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The undersigned declares that all statements made herein of his knowledge are true and that all statements made on information and belief are believed to be true and further, that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that any such willful false statements may jeopardize the validity of the application or any patent issuing thereon.



Daniel J. Zigmund

At Mountain View, CA
(City and State)
on this 12 day of July, 2001

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PATENT
Atty. Ref. No. 3382-50875

The undersigned declares that all statements made herein of his knowledge are true and that all statements made on information and belief are believed to be true and further, that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that any such willful false statements may jeopardize the validity of the application or any patent issuing thereon.


David R. Anderson

At Mountain View, CA
(City and State)
on this 16th day of July, 2001

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PATENT
Atty. Ref. No. 3382-50875

The undersigned declares that all statements made herein of his knowledge are true and that all statements made on information and belief are believed to be true and further, that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that any such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Christopher M. White

At _____
(City and State)
on this ____ day of July, 2001

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PATENT
Atty. Ref. No. 3382-50875

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At MOUNTAIN VIEW, CA
(City and State)
on this 17 day of July, 2001


Jeffrey D. Yaksick



WEBTV NETWORKS INTRODUCES REVOLUTIONARY NEXT-GENERATION SYSTEM

PRESS ROOM
 press kit
 awards
 press archives
 careers
 educators
 advertisers
 support
 ISPs

New WebTV Plus System Seamlessly Integrates Internet and Television Programming For Less Than \$300

NEW YORK, (September 16, 1997) - WebTV Networks, Inc. today announced its second-generation system: the WebTV Plus Receiver and WebTV Plus Network service. The new WebTV Plus System gives viewers a greater level of interaction with their televisions, providing a better way to choose which shows to watch and a new way to enjoy more entertainment, information and services that uniquely relate to those shows. The new system complements the original WebTV system, which pioneered the television Internet industry. (Please see WebTV Networks Delivers Fall Upgrade To Current Subscribers)

The WebTV Plus System features an advanced cable-ready tuner that allows viewers to quickly tune to cable and broadcast channels, and brings picture-in-picture capability to standard televisions so that audiences can now view TV and web programming at the same time. The system also provides web content directly linked to TV shows for a new and seamless integration of TV and web programming.

Distributed initially in the U.S. by the company's manufacturing licensees, Sony Electronics Inc., Philips Consumer Electronics Company and Mitsubishi Consumer Electronics America, the WebTV Plus Receiver is equipped with the most robust set of features available in any computer-related or consumer electronics product in its price category.

"The new WebTV Plus System is a breakthrough in television entertainment because it delivers viewers more choices, more control and a deeper level of interaction and entertainment with



TV programs immediately when they demand it," said Steve Perlman, co-founder and president of WebTV Networks, Inc. "We developed revolutionary new technologies in order to provide these new capabilities in an affordable consumer electronics product."

More Control Over What To Watch On TV

The WebTV Plus System provides viewers with more information about what to watch on television through two key features: TV Home and TV Listings. TV Home is the launch point for the WebTV Plus Network service. It gives viewers a fast and convenient way to find descriptions about shows as they flip through channels, or they can quickly see what's playing on a collection of their favorite channels.

TV Listings gives audiences an easy way to plan their TV viewing, scroll through TV channels and watch the currently selected program, all at the same time. TV Listings provides complete descriptions of all cable and broadcast programming a minimum of 48 hours in advance, such as show title, plot, stars and ratings.

Enhanced Internet Experience

The WebTV Plus System provides new web experiences that are rich and dynamic, like television. At the heart of the system are several advanced technologies that boost the delivery and enhance the display of web content so that it matches the audio and visual quality of television, while also providing practical features such as the ability to print.

The system includes a 1.1 GB hard drive for local storage of multimedia content with full-motion video and symphonic sound. Viewers have immediate control and access without having to wait for downloads.

The WebTV Plus Receiver speeds up the retrieval time of web pages through a Rockwell K56flex modem. This gives viewers access to Internet information at almost twice the speed of current V.34 connections over standard phone lines, which is especially useful for graphics-intensive Web pages, sound and video files. The WebTV Plus Receiver also includes the company's

breakthrough VideoModem technology, an advanced cable modem that can receive high-bandwidth data (1MB/sec) embedded in a conventional television broadcast signal without disturbing the video content.

Viewers also can print high-quality color output from web sites directly from their televisions. The WebTV Plus Receiver offers a built-in parallel port, with full printer support for popular Hewlett-Packard printers. Customers also will receive support for selected models of popular Canon printers later this year. WebTV Networks works closely with these companies to develop high-quality printing capabilities for WebTV Network™ customers. Both companies are providing 24-hour customer support for WebTV Network customers.

The WebTV Plus System provides viewers with WebPIP™>, a new feature that brings picture-in-picture capability to standard televisions. WebPIP allows audiences to watch TV shows and explore related web content at the same time.

Simultaneously View Internet and TV

WebPIP is made possible by a 3D-graphics engine, resident on a revolutionary new chip designed by WebTV Networks called "Solo." With WebPIP functionality, viewers can instantly switch among full-screen TV, full-screen web and the combined picture-in-picture TV and web displays. Viewers also will experience dramatic 3D special-effects transitions with live video and graphics.

TV Crossover Links

The WebTV Plus Network service features TV Crossover Links, which complement and enhance TV programs by providing quick and easy access to integrated web sites that are directly related to popular TV programs. The WebTV Plus Receiver detects web links and data embedded in video broadcast and notifies viewers with a small icon that appears on their television screens.

TV Crossover Links give audiences a variety of entertaining possibilities to choose from. They may find breaking news or gossip about their favorite stars, or a synopsis of past episodes. They might engage in online chatting with fans or stars, or offer

their feedback through instantaneous polls and votes.

By giving viewers more ways to interact with their television programming, TV Crossover Links also provide broadcasters and advertisers with a powerful new medium to connect more closely and efficiently with their audiences. Leading content providers such as Discovery, E! Online, PBS, Warner Bros. Online and MSNBC will be taking advantage of web-based content to enhance their television programming.

Pricing and Availability

The WebTV Plus Receiver will be available in retail outlets in the U.S. later this fall. Models from consumer electronics licensees are expected to be priced at less than \$300. The WebTV Plus Network service will be available to new subscribers for a monthly fee of \$19.95.

WebTV Networks

Founded in 1995 by Steve Perlman, Bruce Leak and Phil Goldman, WebTV Networks is dedicated to delivering entertaining new experiences and information to consumers through the integration of television programming and the Internet. WebTV Networks operates the WebTV Network Service and develops the WebTV Internet Terminal and WebTV Plus Receiver, which are available through the company's U.S. licensees, Sony Electronics Inc., Philips Consumer Electronics Company and Mitsubishi Consumer Electronics America at U.S. consumer electronics stores nationwide. WebTV Networks, based in Palo Alto, Calif., is a subsidiary of Microsoft Corporation.

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COMPANY



PRESS

archives

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PRESS ROOM
 press kit
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 educators
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 support
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ADVERTISEMENTS WITH TV CROSSOVER LINKS DIRECTLY TIE TV COMMERCIALS TO ADVERTISER'S WEB CONTENT

WebTV Networks Also Announces First Wave of Consumer Brand Advertisers

NEW YORK (September 16, 1997) - WebTV Networks, Inc. today announced an entirely new way for advertisers to combine broadcast advertising with online communications. TV Crossover Links advertisements only will be available in the Microsoft® WebTV Network™ Plus Service. (Please see WebTV Networks Introduces Revolutionary Next-Generation System) The company's new TV Crossover Links allow viewers to easily interact with both television commercials and online content simultaneously. This combines the strengths of direct response, online and broadcast advertising into one new, integrated medium.

WebTV Networks also announced that several companies including General Motors, Honda, AT&T and Charles Schwab have become advertisers on the company's WebTV Network™ and WebTV Plus services. Last week, WebTV Networks introduced a suite of advertising products that provide sophisticated subscriber targeting techniques and enhanced direct-response capabilities to large-brand advertisers, allowing them to reach a home consumer audience.



"Ads with TV Crossover Links introduce the next generation of Direct Response TV," said Joe Poletto, vice president of advertising sales, WebTV Networks. "These ads enhance broadcast commercials to include product information, promotions, retail locations and calls-to-action to which consumers can easily and instantly respond."

Advertisements With TV Crossover Links

WebTV Networks has made the process of directly marrying broadcast spots with online content very simple. Advertisers place their URL into the television signal within their broadcast commercials. The WebTV-based Internet unit reads the URL and displays a TV Crossover Link watermark on the advertisement, indicating that there is supplemental information for the viewer to access immediately or save for later. For example, a movie studio could enhance a movie trailer with a link to a web site that is tailored to each viewer, featuring local theaters and ways to purchase tickets online. Not only can advertisers track individual consumer responses on their web sites, WebTV Networks also can provide a more immediate report of how effective their broadcast advertisements were by television program.

About WebTV Networks, Inc.

Founded in 1995 by Steve Perlman, Bruce Leak and Phil Goldman, WebTV Networks is dedicated to delivering entertaining new experiences and information to consumers through the integration of television programming and the Internet. WebTV Networks operates the WebTV Network™ Service and develops the WebTV-based Internet Terminal and WebTV-based Internet Receiver, which are available through the company's U.S. licensees, Sony Electronics Inc., Philips Consumer Electronics Company and Mitsubishi Consumer Electronics America at U.S. consumer electronics stores nationwide. WebTV Networks, based in Palo Alto, Calif., is a subsidiary of Microsoft Corporation.

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Home

Quick change:

Branch: Client::Main

Change: 6378

When: Friday, July 18, 1997 4:55:26 PM

Who: djz (Dan Zigmond)

Error!

Error!

Unkno

wn

switch

argume

nt.

Notes: - Changed TVDatabase to accept GMT times from the service and convert to local time at the client.

:System:TVDatabase.c

- Added the SmartLinkReceiver class, to manage SmartLinks and provide an interface for the UI code to use. Initial implementation just picks a random URL from a list of 12, then waits a random time up to 1 minute before saying that a new SmartLink has arrived.


:Debug:Debug.c
:Interfaces:Classes.h
:Interfaces:Screen.h
:Interfaces:SmartLink.h (new)
:System:SmartLink.c (new)
:UserInterface:Screen.c
:WebTVPPC

Name	Rev	Action	Add	Edit	Del	Tot
//depot/client/Interfaces/SmartLink.h	1 (anno)	add	34	0	0	34
//depot/client/System/SmartLink.c	1 (anno)	add	77	0	0	77
//depot/client/Interfaces/Classes.h	28 (anno)	edit	1	0	0	394
//depot/client/Interfaces/Screen.h	19 (anno)	edit	2	0	0	331
//depot/client/UserInterface/Screen.c	31 (anno)	edit	4	0	0	1784
//depot/client/System/TVDatabase.c	35 (anno)	edit	3	5	94	831
//depot/client/WebTVPPC	31	edit b i n a r y				
//depot/client/Debug/Debug.c	28 (anno)	edit	1	0	0	674
Totals:			122	5	94	4125

EXHIBIT

C

Home

Quick change: 

Branch: Client::Main

Change: 8532

When: Wednesday, August 20, 1997 5:24:14 PM

Who: dave (Dave Anderson (WebTV))

Error!

Error!

Unkno

wn

switch

argume

nt.

Notes: - Implemented real crossover handling. Autoconnect on crossover and take the user to WebMode automatically when crossover page is shown.

- Remember fTargetResource. Moved TV/Web power selection to System.

:Interfaces:Network.h
:Communications:Network.c
:System:System.c

- Added SWITCHTOWEBMODE attribute that can be used on TV pages to allow auto switching to web mode when target page is ready.

:HTML:Document.c
:HTML:Parser.c
:Interfaces:Document.h
:Interfaces:Parser.h

- Watch for crossover target page and switch to WebMode.

:Interfaces:PageViewer.h
:UserInterface:PageViewer.c

- Auto reconnect for crossover.

:UserInterface:Screen.c

- Set SWITCHTOWEBMODE on crossover page. Include real progress indicator on crossover page.

:UserInterface:TVInterface.c

Name

Rev

Action Add Edit Del Tot

<u>//depot/client/Communications/Network.c</u>	<u>52 (anno)</u>	<u>edit</u>	9	10	9	3144
<u>//depot/client/UserInterface/Screen.c</u>	<u>64 (anno)</u>	<u>edit</u>	8	7	0	2093
<u>//depot/client/UserInterface/TVInterface.c</u>	<u>79 (anno)</u>	<u>edit</u>	0	7	24	1293
<u>//depot/client/HTML/Parser.c</u>	<u>63 (anno)</u>	<u>edit</u>	1	0	0	4008
<u>//depot/client/System/System.c</u>	<u>52 (anno)</u>	<u>edit</u>	8	0	0	2183
<u>//depot/client/HTML/Document.c</u>	<u>36 (anno)</u>	<u>edit</u>	1	0	0	1939
<u>//depot/client/Interfaces/Document.h</u>	<u>21 (anno)</u>	<u>edit</u>	8	0	0	744
<u>//depot/client/Interfaces/Network.h</u>	<u>23 (anno)</u>	<u>edit</u>	15	0	0	424
<u>//depot/client/Interfaces/Parser.h</u>	<u>38 (anno)</u>	<u>edit</u>	1	0	0	486
<u>//depot/client/Interfaces/PageViewer.h</u>	<u>22 (anno)</u>	<u>edit</u>	6	0	0	397
<u>//depot/client/UserInterface/PageViewer.c</u>	<u>40 (anno)</u>	<u>edit</u>	14	5	0	2237
	Totals:		71	29	33	18948

Home

Quick change:

8568

Software



Branch: Client::Main

Change: 8568

When: Thursday, August 21, 1997 10:44:11 AM

Who: dave (Dave Anderson (WebTV))

Notes: - More work for crossover.

ProgressIndicator now supports
update of progress for
WebPageViewer requests.

- Use name constant for finding
embedded ProgressIndicator.

:Communications:Downloader.c

- Added SetStatusMessage and
SetStatusTarget. Update both
StatusIndicator
and embedded ProgressIndicator.

:Interfaces:PageViewer.h
:UserInterface:PageViewer.c

- Support auto update of
PageViewer percent complete.

:Interfaces:ProgressBar.h
:UserInterface:ProgressBar.c

- Consolidated SmartLink hacks
into Screen::DispatchInput.

:System:Tuner.c
:UserInterface:Screen.c


- Don't override smartlink url
with empty string from TVDatabase.

:UserInterface:TVInterface.c

Name	Rev	Action	Add	Edit	Del	Tot
<u>//depot/client/Interfaces/PageViewer.h</u>	<u>23</u> (anno)	<u>edit</u>	5	0	1	401
<u>//depot/client/UserInterface/Screen.c</u>	<u>66</u> (anno)	<u>edit</u>	2	1	5	2117
<u>//depot/client/UserInterface/TVInterface.c</u>	<u>81</u> (anno)	<u>edit</u>	0	1	1	1340
<u>//depot/client/Interfaces/ProgressBar.h</u>	<u>6</u> (anno)	<u>edit</u>	2	1	0	150
<u>//depot/client/UserInterface/PageViewer.c</u>	<u>41</u> (anno)	<u>edit</u>	42	17	1	2275
<u>//depot/client/UserInterface/ProgressBar.c</u>	<u>7</u> (anno)	<u>edit</u>	14	3	0	479
<u>//depot/client/Communications/Downloader.c</u>	<u>19</u> (anno)	<u>edit</u>	0	1	0	573
<u>//depot/client/System/Tuner.c</u>	<u>43</u> (anno)	<u>edit</u>	0	1	14	1237

Totals: 65 25 22 8572

Home

Quick change: 

Branch: Client::Main

Change: 8574

When: Thursday, August 21, 1997 11:34:12 AM

Who: dave (Dave Anderson (WebTV))

Error!

Error!

Unkno

wn

switch

argume

nt.

Notes: - Do TV/Web transition when
transitioning to target crossover
page.
- Don't show status for WebTV
headwaiter pages when connecting
for crossover.

:UserInterface:PageViewer.c

Name	Rev	Action	Add	Edit	Del	Tot
<u>//depot/client/UserInterface/PageViewer.c</u>	<u>42(anno)</u>	<u>edit</u>	4	1	2	2277

Home

Quick change:

Branch: Client::Main

Change: 8719

When: Sunday, August 24, 1997 11:49:33 AM

Who: dave (Dave Anderson (WebTV))

Error!

Error!

Unkno

wn

switch

argume

nt.

Notes: - More work in cleaning up crossover and connecting.

- Allow posting of target for reconnect or when already online.

:Interfaces:Network.h

- Allow for multiple transitions to web mode as a result of crossover after a single connection.

:UserInterface:PageViewer.c

- Reconnect automatically when disconnected and going to a crossover page.

- Show TV crossover page while waiting for crossover page, even if already connected. Note: We may want a different page than the one used for connecting in this situation.

:UserInterface:Screen.c

Name	Rev	Action	Add	Edit	Del	Tot
<u>//depot/client/UserInterface/Screen.c</u>	<u>73</u> (anno)	<u>edit</u>	26	0	18	1997
<u>//depot/client/Interfaces/Network.h</u>	<u>25</u> (anno)	<u>edit</u>	7	0	0	436
<u>//depot/client/UserInterface/PageViewer.c</u>	<u>44</u> (anno)	<u>edit</u>	8	13	0	2278
	Totals:		41	13	18	4711

Home

Quick change:

8915

Software



Branch: Client::Main

Change: 8915

When: Wednesday, August 27, 1997 10:50:00 AM

Who: dave (Dave Anderson (WebTV))

Notes: - New look for crossover mark and panel. This is not yet drawing correctly on the box using the alpha blending, but I'm checking it in so that Sean can work out the bugs.

:FLASH:tvimages:CrossoverMark.gif
(new)

:FLASH:tvimages:CrossoverMarkSelect.gif
(new)

:FLASH:tvimages:CrossoverPanel.gif
(new)


:HTML:Document.c

:UserInterface:Screen.c

:UserInterface:TVInterface.c

Name	Rev	Action	Add	Edit	Del	Tot
<u>//depot/client/UserInterface/TVInterface.c</u>	<u>103 (anno)</u>	<u>edit</u>	1	33	3	1780
<u>//depot/client/UserInterface/Screen.c</u>	<u>78 (anno)</u>	<u>edit</u>	0	4	0	1983
<u>//depot/client/HTML/Document.c</u>	<u>43 (anno)</u>	<u>edit</u>	2	2	0	1944
<u>//depot/client/FLASH/tvimages/CrossoverMark.gif</u>	<u>1</u>	<u>add b</u>	i	n	a	r y
<u>//depot/client/FLASH/tvimages/CrossoverMarkSelect.gif</u>	<u>1</u>	<u>add b</u>	i	n	a	r y
<u>//depot/client/FLASH/tvimages/CrossoverPanel.gif</u>	<u>1</u>	<u>add b</u>	i	n	a	r y
Totals:			3	39	3	5707

Home

Quick change: 

Branch: Client::Main

Change: 8924

When: Wednesday, August 27, 1997 12:23:38 PM

Who: dave (Dave Anderson (WebTV))

Error!

Error!

Unkno

wn

switch

argume

nt.

Notes: - More tweaks for CrossoverPanel
layout

- Make cell selectables work in
the general case.

:HTML:Cell.c
:Interfaces:Cell.h

- Selection highlight now bounds
the button rather than the
button text to match Jeff's
design.

:UserInterface:TVInterface.c

Name	Rev	Action	Add	Edit	Del	Tot
<u>//depot/client/UserInterface/TVInterface.c</u>	<u>107</u> (anno)	<u>edit</u>	0	8	1	1778
<u>//depot/client/Interfaces/Cell.h</u>	<u>15</u> (anno)	<u>edit</u>	1	0	0	252
<u>//depot/client/HTML/Cell.c</u>	<u>16</u> (anno)	<u>edit</u>	7	0	0	338
	Totals:		8	8	1	2368

Home

Quick change:

Branch: Client::Main

Change: 8985

When: Thursday, August 28, 1997 5:16:55 AM

Who: chris (Chris White)

Error!

Error!

Unkno

wn

switch

argume

nt.

Notes: - Hooked up SmartLinks.

TVController calls ProgramChanged both when the channel is changed and when the program has changed on the current channel. TVController

talks to the TVDatabase to determine when the next program will start.

ProgramChanged() asks gTVDatabase for SmartLinks associated with the current program. For key phrase matching, gVBIMux is called. Otherwise, the TVIcon is set directly.

:Interfaces:TVController.h
:System:TVController.c

- Changed to call TVIcon::SetURL() instead of SmartLinkReceiver::PutURL(). (SmartLinkReceiver is no longer necessary)

:System:VBIMux.c

- Changed TVIcon::SetURL to show itself if a valid URL is passed in.

:UserInterface:TVInterface.c

Name	Rev	Action	Add	Edit	Del	Tot
<u>//depot/client/System/VBIMux.c</u>	<u>6(anno)</u>	<u>edit</u>	1	2	4	521
<u>//depot/client/System/TVController.c</u>	<u>12(anno)</u>	<u>edit</u>	106	10	52	818
<u>//depot/client/Interfaces/TVController.h</u>	<u>9(anno)</u>	<u>edit</u>	11	1	6	141

<u>//depot/client/UserInterface/TVInterface.c</u>	<u>109</u>	<u>(anno)</u>	<u>edit</u>	9	0	12	1778
Totals:				127	13	74	3258

Home

Quick change:

9003

Software



Branch: Client::Main

Change: 9003

When: Thursday, August 28, 1997 12:50:49 PM

Who: dave (Dave Anderson (WebTV))

Notes: - New crossover transparent gifs.
- Options panel now transparent over video. New layout.

:FLASH:tvimages:CrossoverMark.gif

:FLASH:tvimages:CrossoverMarkSelect.gif

:FLASH:tvimages:CrossoverMarkSmall.gif
(new)

:FLASH:tvimages:CrossoverPanel.gif


:FLASH:tvimages:TVOptionsPanel.gif

:UserInterface:Screen.c

:UserInterface:TVInterface.c

Name	Rev	Action	Add	Edit	Del	Tot
<u>//depot/client/UserInterface/Screen.c</u>	<u>79(anno)</u>	<u>edit</u>	0	5	0	1983
<u>//depot/client/UserInterface/TVInterface.c</u>	<u>112(anno)</u>	<u>edit</u>	0	77	0	1775
<u>//depot/client/FLASH/tvimages/CrossoverMark.gif</u>	<u>2</u>	<u>edit b</u>	i	n	a	r y
<u>//depot/client/FLASH/tvimages/CrossoverMarkSelect.gif</u>	<u>2</u>	<u>edit b</u>	i	n	a	r y
<u>//depot/client/FLASH/tvimages/CrossoverPanel.gif</u>	<u>2</u>	<u>edit b</u>	i	n	a	r y
<u>//depot/client/FLASH/tvimages/CrossoverMarkSmall.gif</u>	<u>1</u>	<u>add b</u>	i	n	a	r y
<u>//depot/client/FLASH/tvimages/TVOptionsPanel.gif</u>	<u>2</u>	<u>edit b</u>	i	n	a	r y
Totals:			0	82	0	3758

Home

Quick change: 

Branch: Client::Main

Change: 9680

When: Tuesday, September 09, 1997 2:41:07 AM

Who: chris (Chris White)

Error!

Error!

Unkno

wn

switch

argume

nt.

Notes: - Removed gSmartLinkReceiver and SmartLinkReceiver class.

```
:Interfaces:SmartLink.h
:System:SmartLink.c
:Interfaces:Classes.h
:Debug:Debug.c
```

- Moved crossover related classes into TVCrossover.c and TVCrossover.h.

```
:Interfaces:TVCrossover.h (new)
:UI:TVInterface:TVCrossover.c
(new)
:Communications:Network.c
:HTML:ClientFunctions.c
:System:TVController.c
:System:VBIMux.c
:UI:Makefile
:UI:Screen.c
:Interfaces:TVInterface.h
:UI:TVInterface.c
```

Name	Rev	Action	Add	Edit	Del	Tot
<u>//depot/client/System/VBIMux.c</u>	<u>9</u> (anno)	<u>edit</u>	0	1	0	575
<u>//depot/client/Interfaces/Classes.h</u>	<u>61</u> (anno)	<u>edit</u>	0	0	1	437
<u>//depot/client/System/TVController.c</u>	<u>22</u> (anno)	<u>edit</u>	1	0	3	854
<u>//depot/client/Communications/Network.c</u>	<u>68</u> (anno)	<u>edit</u>	0	1	0	3234
<u>//depot/client/UserInterface/TVInterface.c</u>	<u>135</u> (anno)	<u>edit</u>	1	0	289	1681
<u>//depot/client/Debug/Debug.c</u>	<u>61</u> (anno)	<u>edit</u>	0	0	1	713
<u>//depot/client/Interfaces/TVInterface.h</u>	<u>43</u> (anno)	<u>edit</u>	0	0	50	217
<u>//depot/client/HTML/ClientFunctions.c</u>	<u>114</u> (anno)	<u>edit</u>	1	0	0	4696
<u>//depot/client/Interfaces/TVCrossover.h</u>	<u>1</u> (anno)	<u>add</u>	66	0	0	66
<u>//depot/client/UserInterface/TVCrossover.c</u>	<u>1</u> (anno)	<u>add</u>	330	0	0	330
<u>//depot/client/Interfaces/SmartLink.h</u>	<u>4</u> (anno)	<u>edit</u>	0	1	18	17
<u>//depot/client/System/SmartLink.c</u>	<u>4</u> (anno)	<u>edit</u>	2	0	81	24
<u>//depot/client/UserInterface/Makefile</u>	<u>17</u> (anno)	<u>edit</u>	1	0	0	60

//depot/client/UserInterface/Screen.c

89(anno) edit 1 0 0 1974
Totals: 403 3 443 14878

Home

Quick change:

Branch: Client::Main

Change: 9803

When: Wednesday, September 10, 1997 9:57:57 AM

Who: dave (Dave Anderson (WebTV))

Bugs: 29321

Notes: Fixed PR 29321. Crossovers that occur while connecting is in progress are now handled correctly. We no longer use the target-url facility of the boot resource, because it only works for the case where we are connecting for the first time for the purpose of crossover.

- Added Network::Visit to allow crossover target to be added to visit list.

:Communications:Network.c
:Interfaces:Network.h

- If crossover target is present, show it instead of Web Home.

:UserInterface:PageViewer.c

- If reconnect is already in progress, add crossover target to visit list.


:UserInterface:Screen.c

- New TV Options at bottom of screen.

:FLASH:tvimages:TVOptionsPanel.gif
:UserInterface:Screen.c

Name	Rev	Action	Add	Edit	Del	Tot	
<u>//depot/client/Interfaces/Network.h</u>	<u>28</u> (anno)	<u>edit</u>	2	0	0	440	
<u>//depot/client/UserInterface/PageViewer.c</u>	<u>51</u> (anno)	<u>edit</u>	18	13	0	2291	
<u>//depot/client/UserInterface/Screen.c</u>	<u>92</u> (anno)	<u>edit</u>	9	5	1	1985	
<u>//depot/client/FLASH/tvimages/TVOptionsPanel.gif</u>	<u>3</u>	edit b	i	n	a	r	y
<u>//depot/client/Communications/Network.c</u>	<u>71</u> (anno)	edit	6	6	0	3243	
Totals:			35	24	1	7959	

Home

Quick change: 

Branch: Client::Main

Change: 10461

When: Friday, September 19, 1997 10:28:25 PM

Who: chris (Chris White)

Bugs: 030255

Notes: - Fixed bug #030255: Crossover

Panel: " i " logo is hilited as a
separate
ink but it only
functions to close the panel.

:UserInterface:TVCrossover.c

Name	Rev	Action	Add	Edit	Del	Tot
<u>//depot/client/UserInterface/TVCrossover.c</u>	<u>15</u> (anno)	<u>edit</u>	1	7	0	376

Home

Quick change:

10930

Software



Branch: Client::Main

Change: 10930

When: Friday, September 26, 1997 9:14:47 PM

Who: chris (Chris White)

Notes: - Use correct names for crossover.

Changed SmartLink to
CrossoverLink,
TVIcon to CrossoverMark, and
TVMenu to CrossoverPanel.

:Debug:Debug.c
:FLASH:Data:clientfunc.txt
:HTML:ClientFunctions.c
:Interfaces:Classes.h
:Interfaces:Screen.h
:Interfaces:SmartLink.h
:Interfaces:TVController.h
:Interfaces:TVCrossover.h
:Interfaces:TVDatabase.h
:Interfaces:TVInterface.h

:JellyScript:JSTVDatabaseMethods.c
:System:SmartLink.c
:System:TVController.c
:System:TVDatabase.c
:System:VBIMux.c
:UserInterface:Screen.c
:UserInterface:TVCrossover.c
:UserInterface:TVInterface.c

Name	Rev	Action	Add	Edit	Del	Tot
<u>//depot/client/Interfaces/SmartLink.h</u>	<u>7</u> (anno)	<u>edit</u>	0	8	0	55
<u>//depot/client/System/SmartLink.c</u>	<u>6</u> (anno)	<u>edit</u>	0	11	0	69
<u>//depot/client/System/VBIMux.c</u>	<u>16</u> (anno)	<u>edit</u>	0	2	0	656
<u>//depot/client/System/TVController.c</u>	<u>55</u> (anno)	<u>edit</u>	0	15	0	1052
<u>//depot/client/Interfaces/TVCrossover.h</u>	<u>7</u> (anno)	<u>edit</u>	0	8	0	72
<u>//depot/client/UserInterface/TVCrossover.c</u>	<u>19</u> (anno)	<u>edit</u>	0	33	0	364
<u>//depot/client/Interfaces/Screen.h</u>	<u>48</u> (anno)	<u>edit</u>	4	0	4	310
<u>//depot/client/Debug/Debug.c</u>	<u>65</u> (anno)	<u>edit</u>	2	1	2	715
<u>//depot/client/HTML/ClientFunctions.c</u>	<u>142</u> (anno)	<u>edit</u>	2	2	2	4589
<u>//depot/client/Interfaces/TVController.h</u>	<u>28</u> (anno)	<u>edit</u>	0	0	1	187
<u>//depot/client/Interfaces/TVInterface.h</u>	<u>55</u> (anno)	<u>edit</u>	0	1	0	253
<u>//depot/client/Interfaces/Classes.h</u>	<u>65</u> (anno)	<u>edit</u>	2	1	2	439
<u>//depot/client/UserInterface/TVInterface.c</u>	<u>189</u> (anno)	<u>edit</u>	0	14	0	1951
<u>//depot/client/UserInterface/Screen.c</u>	<u>130</u> (anno)	<u>edit</u>	8	15	8	2367
<u>//depot/client/FLASH/Data/clientfunc.txt</u>	<u>45</u> (anno)	<u>edit</u>	1	0	1	158

<u>//depot/client/System/TVDatabase.c</u>	<u>108 (anno)</u>	<u>edit</u>	0	47	0	2041
<u>//depot/client/JellyScript/JSTVDatabaseMethods.c</u>	<u>22 (anno)</u>	<u>edit</u>	0	6	0	370
<u>//depot/client/Interfaces/TVDatabase.h</u>	<u>67 (anno)</u>	<u>edit</u>	0	18	0	368
Totals:			19	182	20	16016

Home

Quick change:

10957

Software



Branch: Client::Main

Change: 10957

When: Saturday, September 27, 1997 10:27:17 PM

Who: chris (Chris White)

Error!

Error!

Unkno

wn

switch

argume

nt.

Bugs: 030526, 032400

Notes: - Fixed PR #030526:

DynamicByProgram SmartLinks appear too quickly.

- Fixed PR #032400: Channel panel conflicts with "i" link icon display.

The crossover mark is now delayed from showing 5 seconds after a channel has been changed (or a new program has started). This should avoid any previous conflicts with the channel bar.

NOTE: If TV options or the crossover panel are shown, the crossover mark will not appear.

:Interfaces:TVController.h
:Interfaces:TVCrossover.h
:Interfaces:TVInterface.h
:Interfaces:Tuner.h
:System:TVController.c
:UserInterface:TVCrossover.c
:UserInterface:TVInterface.c

Name	Rev	Action	Add	Edit	Del	Tot
//depot/client/Interfaces/TVInterface.h	<u>56</u> (anno)	<u>edit</u>	0	0	1	252
//depot/client/Interfaces/TVController.h	<u>29</u> (anno)	<u>edit</u>	1	1	0	188
//depot/client/System/TVController.c	<u>59</u> (anno)	<u>edit</u>	28	0	27	1051
//depot/client/Interfaces/TVCrossover.h	<u>8</u> (anno)	<u>edit</u>	4	1	0	76
//depot/client/UserInterface/TVCrossover.c	<u>20</u> (anno)	<u>edit</u>	31	13	0	388
//depot/client/Interfaces/Tuner.h	<u>33</u> (anno)	<u>edit</u>	0	0	5	58
//depot/client/UserInterface/TVInterface.c	<u>191</u> (anno)	<u>edit</u>	0	0	3	1968
Totals:			64	15	36	3981

Home

Quick change:

10963

Software



Branch: Client::Main

Change: 10963

When: Sunday, September 28, 1997 12:19:40 AM

Who: chris (Chris White)

Error!

Error!

Unkno

wn

switch

argume

nt.

Bugs: 032043

Notes: - Fixed PR #032043: TV crossover
icon displayed again after
crossing
over and coming back.

The crossover mark should not
appear again unless the channel is
changed
to a different channel than the
one the mark was previously
displayed on.

:System:TVController.c

Name	Rev	Action	Add	Edit	Del	Tot
<u>//depot/client/System/TVController.c</u>	<u>61</u> (<u>anno</u>)	<u>edit</u>	4	11	0	979

Home

Quick change:

Branch: Client::Main

Change: 11044

When: Tuesday, September 30, 1997 6:10:43 AM

Who: dave (Dave Anderson (WebTV))

Error!

Error!

Unkno

wn

switch

argume

nt.

Bugs: 32599

Notes: - Fixed PR 32599. Added 2D crossover mark to TV Options when additional information is available.

:FLASH:tvimages:CrossoverMark2D.gif
(new)

:UserInterface:TVInterface.c

- Used same marker in CrossoverPanel, and incorporate new, smaller panel

:FLASH:tvimages:CrossoverPanel.gif
:UserInterface:Screen.c
:UserInterface:TVCrossover.c

Name	Rev	Action	Add	Edit	Del	Tot	
<u>//depot/client/UserInterface/Screen.c</u>	<u>135</u> (anno)	<u>edit</u>	0	1	0	2360	
<u>//depot/client/UserInterface/TVInterface.c</u>	<u>200</u> (anno)	<u>edit</u>	10	1	1	1924	
<u>//depot/client/FLASH/tvimages/CrossoverPanel.gif</u>	<u>3</u>	edit b	i	n	a	r	y
<u>//depot/client/UserInterface/TVCrossover.c</u>	<u>21</u> (anno)	<u>edit</u>	0	5	0	388	
<u>//depot/client/FLASH/tvimages/CrossoverMark2D.gif</u>	<u>1</u>	add b	i	n	a	r	y
Totals:			10	7	1	4672	

Home

Quick change:

Branch: Client::Main

Change: 11054

When: Tuesday, September 30, 1997 11:00:27 AM

Who: dave (Dave Anderson (WebTV))

Notes: - More work on crossover mark in options
and home. Use new small
22pt image.

:FLASH:tvimages:CrossoverCharacter22pt.gif
(new)

- Fixed drawing glitches on video layers.
Moved update of
GFXOverlay to DrawLayer rather than Draw.
Now it is updated only
once per draw for the layer, instead for
each draw of every
rectangle in the invalid region. This is
both faster and provides
cleaner updates.

:Interfaces:Layer.h
:Interfaces:TVInterface.h
:UserInterface:TVInterface.c

Name	Rev	Action	Add	Edit	Del	Tot
<u>//depot/client/Interfaces/TVInterface.h</u>	<u>59</u> (anno)	<u>edit</u>	0	1	0	248
<u>//depot/client/UserInterface/TVInterface.c</u>	<u>202</u> (anno)	<u>edit</u>	2	13	11	1916
<u>//depot/client/Interfaces/Layer.h</u>	<u>13</u> (anno)	<u>edit</u>	0	1	0	120
<u>//depot/client/FLASH/tvimages/CrossoverCharacter22pt.gif</u>	<u>1</u>	<u>add</u> ^b	i	n	a	r
				y		
		Totals:	2	15	11	2284